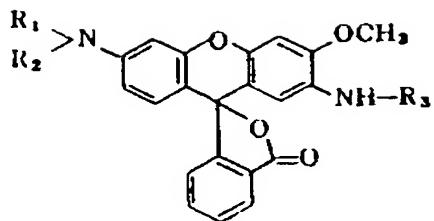


Patent Abstracts of Japan

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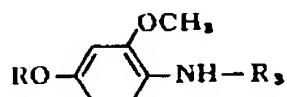
I

APPLICATION DATE : 01-10-82
 APPLICATION NUMBER : 57171039

APPLICANT : HODOGAYA CHEM CO LTD;

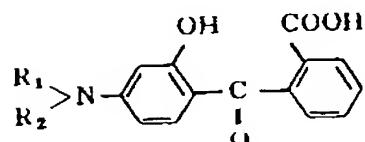
INVENTOR : KANASUGI KIMIKO;

INT.CL. : C09B 11/28



I

TITLE : FLUORANE COMPOUND



III

ABSTRACT : NEW MATERIAL: The 2-substituted-amino-3-methoxy-6-disubstituted amino-fluorane compound of formula I [R₁ and R₂ are lower alkyl, cycloalkyl, aryl or R₁ and R₂ together with N form saturated ring; R₃ is (substituted) benzyl or (substituted) phenyl].

EXAMPLE: 2-Benzylamino-3-methoxy-6-diethylaminofluorane.

USE: A dye precursor for heat-sensitive recording paper, electrical heat-sensitive recording paper, etc.

PROCESS: The objective compound can be prepared, e.g. by reacting the aniline derivative of formula II (R is H or lower alkyl) (e.g. N-benzyl-2,4-dimethoxyaniline) with the benzophenone compound of formula III (e.g. 2-hydroxy-4-dimethylamino-2'-carboxy-benzophenone) in the presence of concentrated sulfuric acid at 0~80°C, throwing the reaction mixture in water, and adjusting the pH of the mixture to 8~10 with NaOH to precipitate the objective compound.